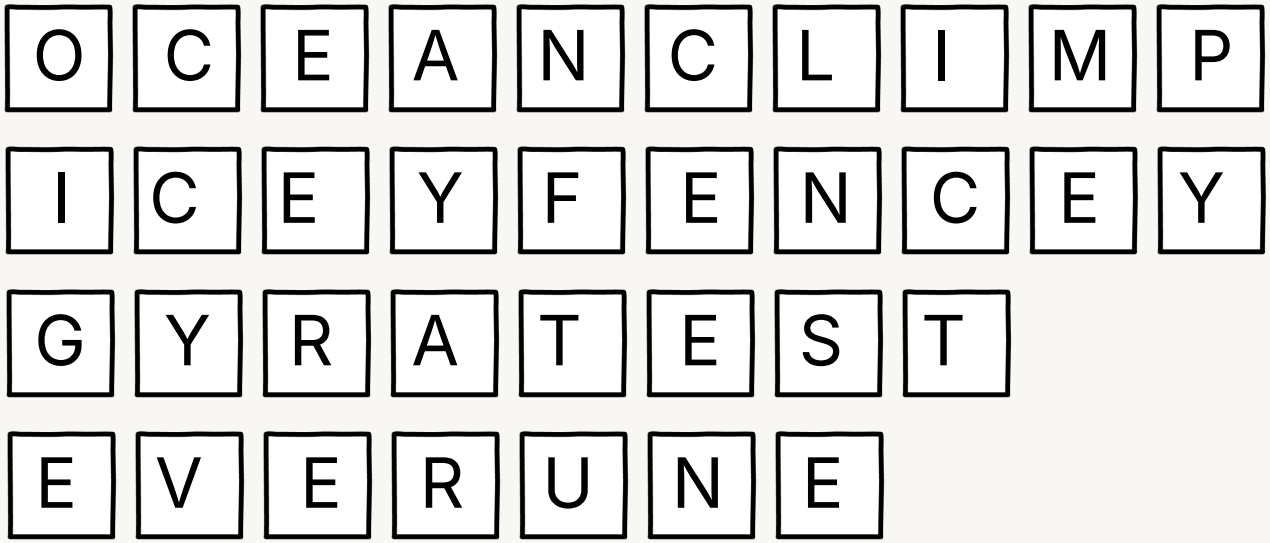
Module 2

Workshop 2: MVP vs Full-Scale Solution

Icebreaker

Try to decipher the anagrams below to find words that could relate to today's workshop.

Put your answers into the chat.



Module 2

Workshop 2: MVP vs Full-Scale Solution

Agenda

- Recap of scoping, prioritizing and managing ML projects for successful execution
- Identifying and prioritizing business needs and requirements
- Creating an MVP proposal to address critical needs
- Developing a roadmap to scale-up the solution
- Group presentations and discussion
- Wrap up

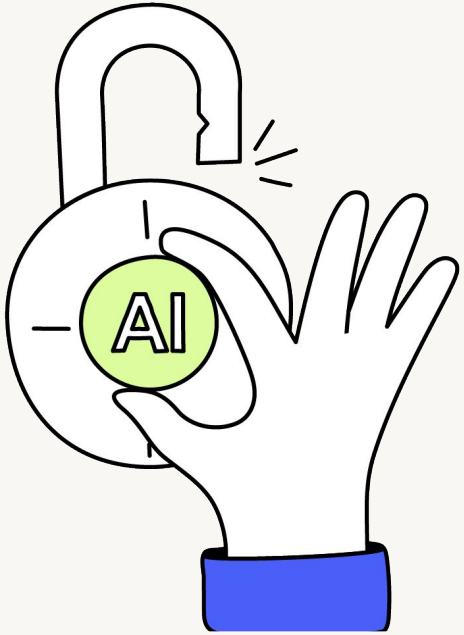
Learning objectives

- Prioritize and scope ML solutions based on business needs and constraints.
- Create phased implementation plans that balance quick wins with long-term value.
- Consider the trade-offs and benefits of MVP vs. full-scale approaches.

Navigating constraints in ML projects

Every ML project will face constraints—budget, time, or resources. Studies show **85%** of AI projects fail to deploy successfully and only **53%** of ML models ever reach production, often just due to poor planning.

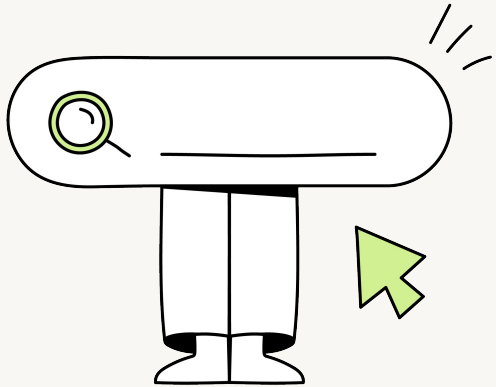
In this workshop, you'll develop the skills you need to navigate constraints and plan successful ML solutions.



Async review: Unit 3

ML-Specific Project Management Methodologies

- Comparing CRISP-DM, Agile, and other traditional methodologies for ML projects
- Implementing MLOps practices in project management
- Managing the iterative nature of ML model development

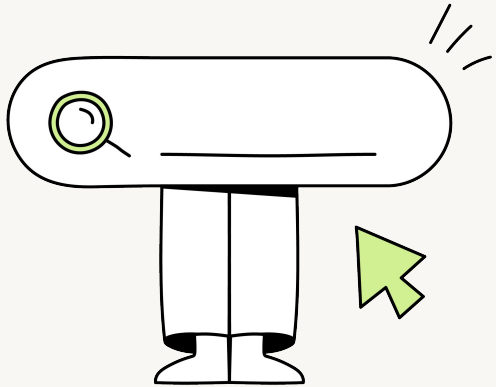


What are the benefits of CRISP-DM over traditional project management methods for ML projects, and why?

Async review: Unit 3

Resource allocation for ML initiatives

- Estimating computational resources for ML model training and deployment
- Allocating resources for ongoing maintenance and updates
- Balancing resource allocation across multiple ML initiatives

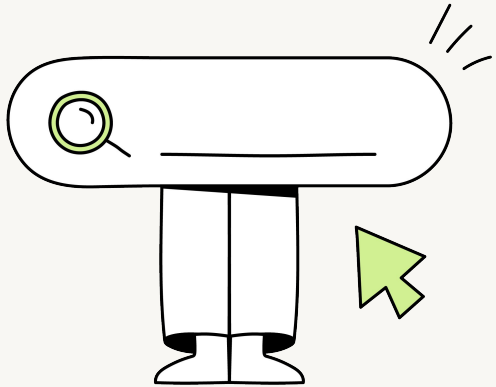


What factors would you consider when estimating computational resources to train and deploy an ML model?

Async review: Unit 3

Risk Assessment and Mitigation in ML Projects

- Identifying common risks in ML projects
- Conducting ML-specific risk assessments
- Developing mitigation strategies for risks
- Ensuring ethical considerations and compliance



What are the common risks to look for with ML projects?

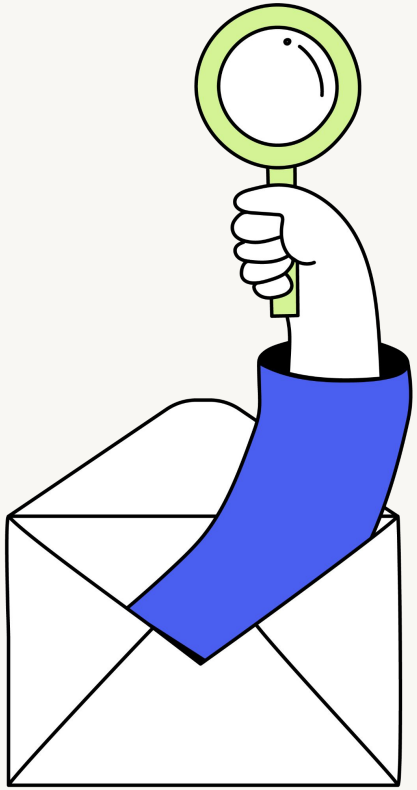
Skills application: Deploying ML solutions within business constraints

Skills application discussion

In this workshop, you'll collaborate in small teams to deploy an effective ML solution within several business constraints.

Your challenge? You'll need to identify and prioritize core business needs, propose an MVP to address critical priorities, and create a phased roadmap for scalable implementation—all within a constraint of 30 minutes.

How will developing these skills benefit you and your business?

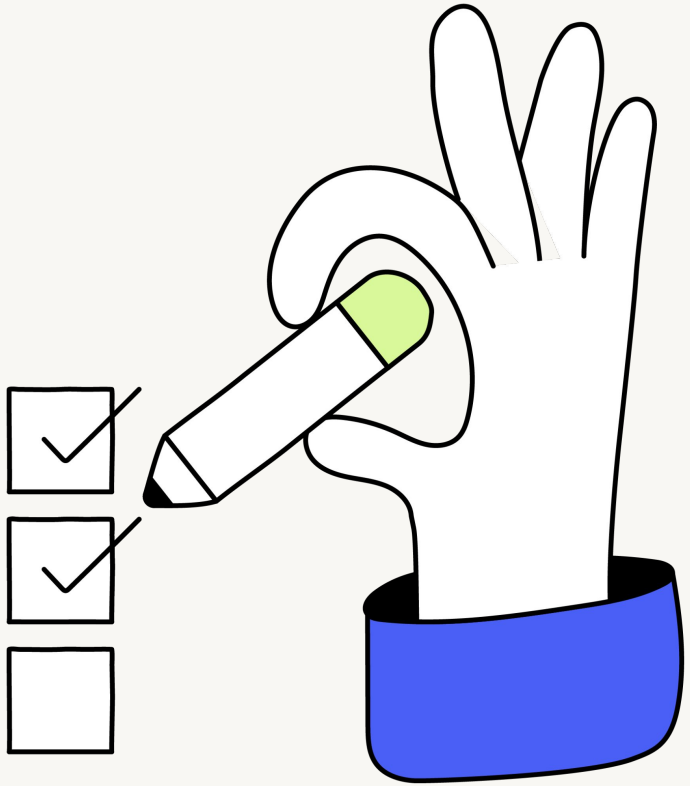


Access the skills application

Go to My Multiverse, Module 2 Workshop 2

On the Discussion page, follow the discussion instructions

Take 2 minutes to complete the discussion as a group



Skills application instructions

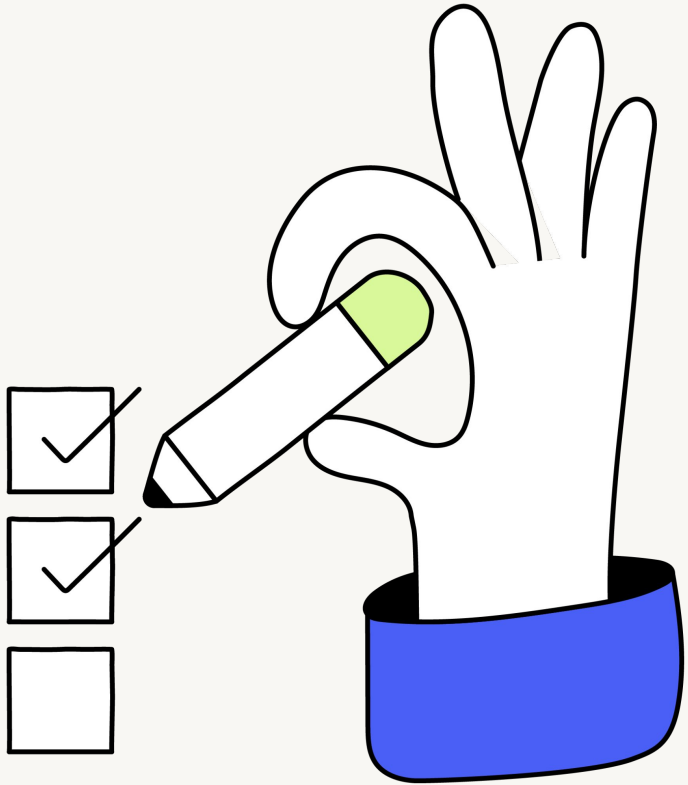
1. In small groups, you'll choose one of two case studies to work on.
2. Create a proposal for an MVP that addresses the most critical needs first.
3. Create a phased roadmap to iteratively scale up the solution over time.
4. Present your MVP proposal and roadmap back to the wider group.

Access the skills application

Go to My Multiverse, Module 2
Workshop 2

On the Skills application page, follow the activity instructions

Take 30 minutes to complete the activity in your small groups

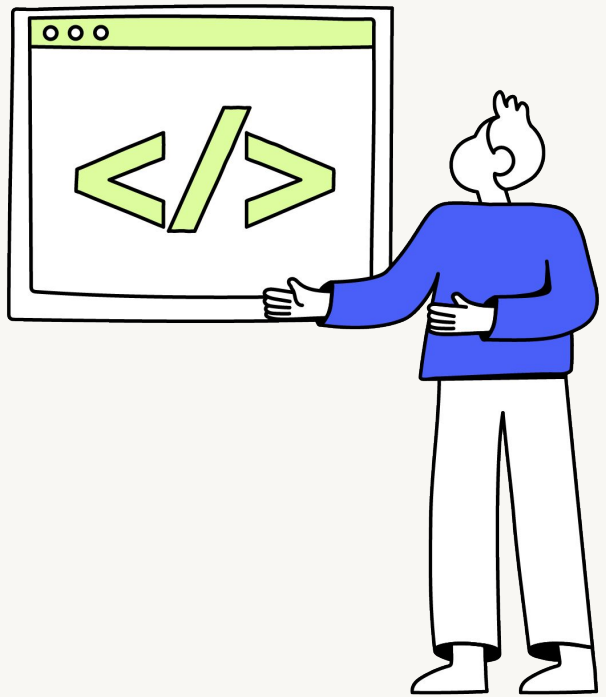


Group presentations

Each team has 1-2 minutes to share:

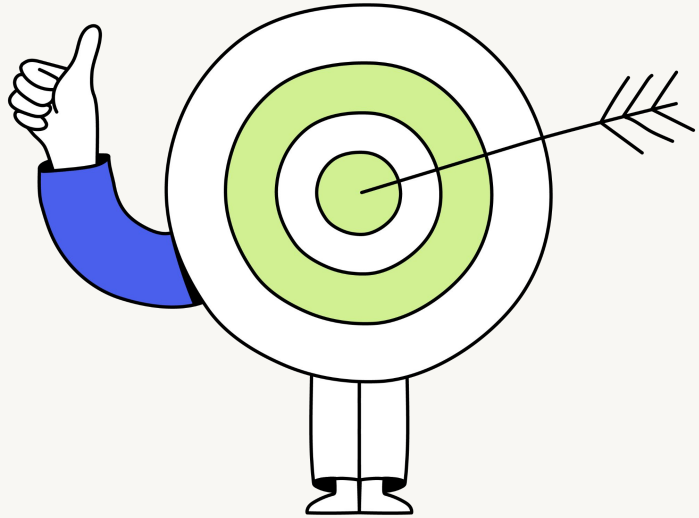
- How they prioritized MVP against business needs and constraints.
- A proposal for the MVP solution.
- A roadmap for future iterations with key milestones.

During presentations the observing teams can ask questions and make suggestions to further improve the use case.



Key takeaways

1. The ability to scope and prioritize solutions based on business needs is an essential skill.
2. Planning phased deployments enables you to address critical needs first.
3. Always consider the trade-offs and benefits between MVP and full-scale solutions.



Applying prioritized and phased ML solutions to your organization

Applying key takeaways

1. What business constraints do you anticipate facing in your organization?

2. How will you demonstrate in your proposals that MVP features have been based on data to meet critical needs first?

3. How will you ensure that your roadmaps illustrate the value of future iterations to ensure continued investment?

Closing out

- **Next workshop:** Module Wrap-up
- **If you have questions, you can:**
  - Chat with Atlas
  - Reach out to your Cohort Coach
  - Sign up for Tutoring
- **Log your OTJ hours**
- **Take the Workshop Survey** on My Multiverse

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